



Jefferson Lab Alignment Group

Data Transmittal

TO: M. Jones, S. Wood

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Checked:

: C1178

DETAILS:

Data: Step2B\HallC\HMS\080714A

Below are the results from the recent survey performed on the Hall C HMS collimators. A +X is to the beam left from Q1 centerline, and a + Y is above. A +pitch is counter clockwise from the beam right, a +yaw is ccw from above, and a +roll is cw looking downstream. The distance (Z) from the ideal Hall C target to the upstream face of the collimator along with the height difference is also given. Values are in millimeters.

RELATIVE TO Q1 CENTERLINE

LOCATION	X	Y	PITCH	YAW	ROLL
Sieve			-0.092	-0.097	-0.075
Large aperture			+0.045	+0.005	-0.128
Sieve top hole	-0.19	100.28			
bot hole	-0.45	-102.88			
br hole	-61.30	-1.16			
bl hole	60.69	-1.52			
center hole	-0.24	-1.37			
Large aperture Center	-0.13	-1.06			

RELATIVE TO IDEAL TARGET CENTERLINE

LOCATION	Z	Y
Sieve center hole	1660.32	-3.11
Large aperture center	1660.00	-2.79